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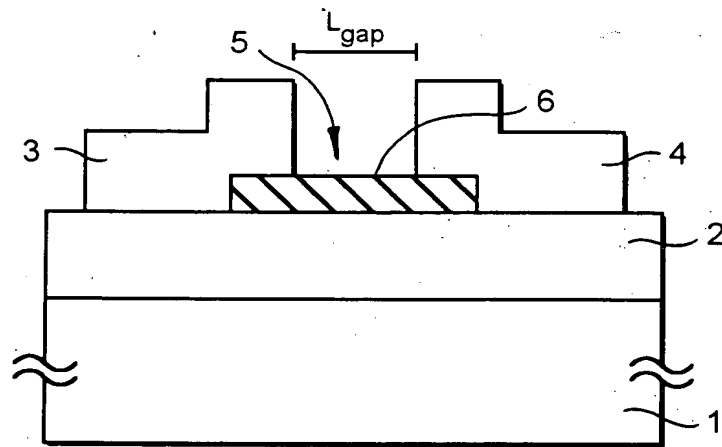


FIG. 1

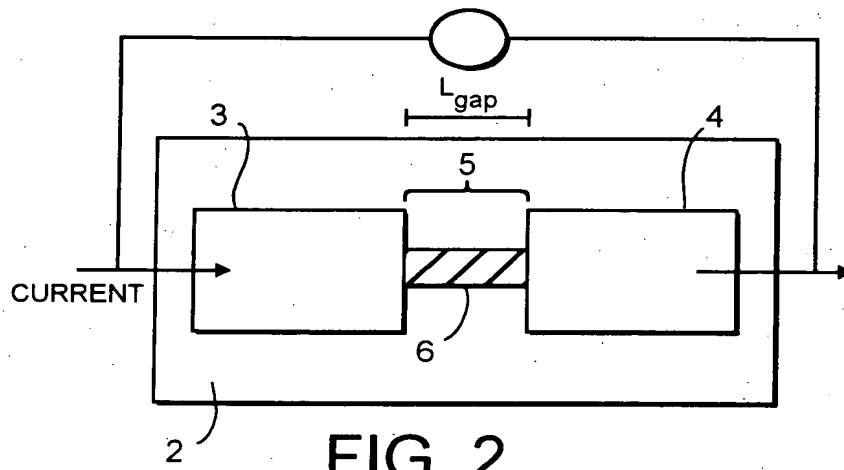


FIG. 2

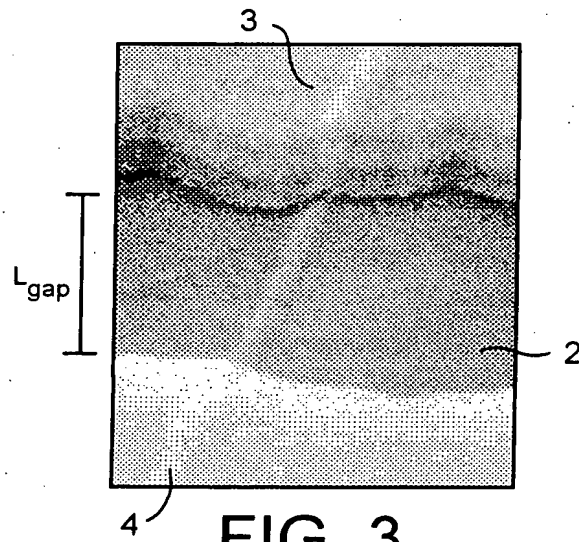


FIG. 3

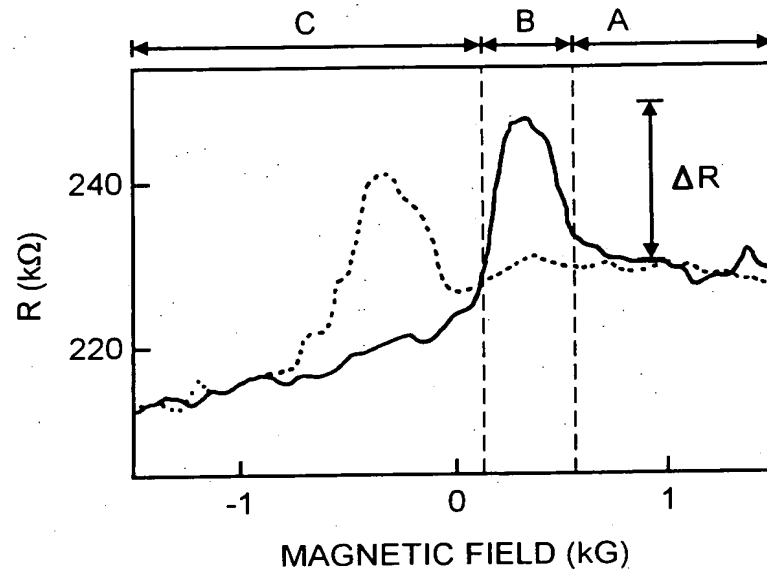
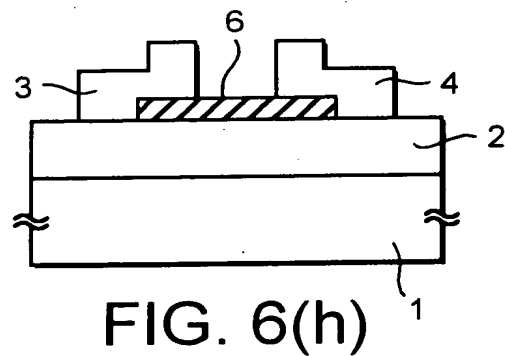
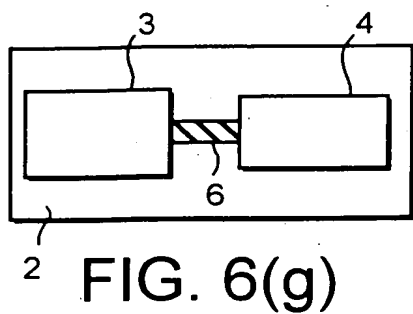
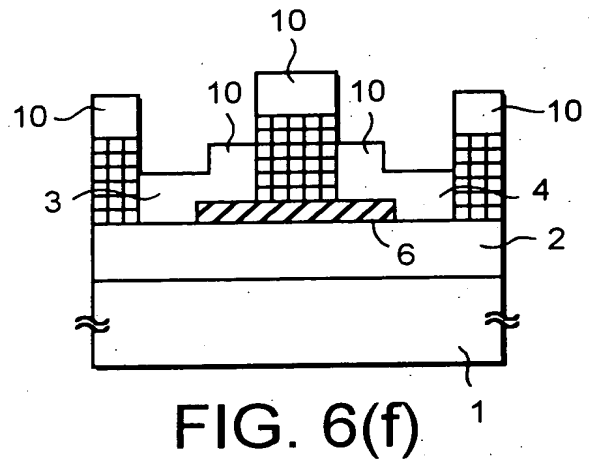
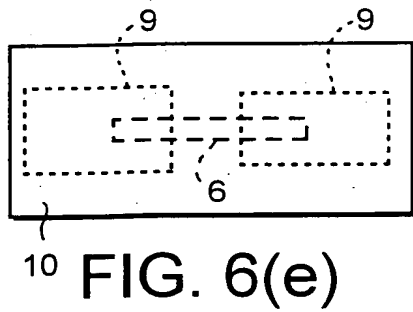
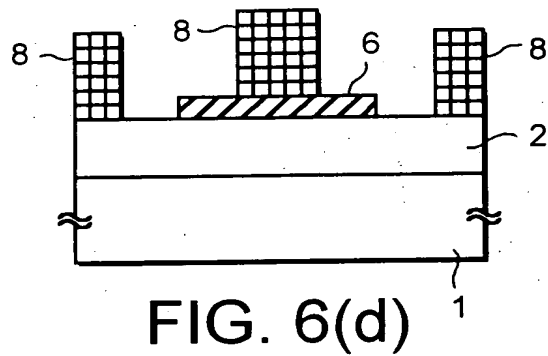
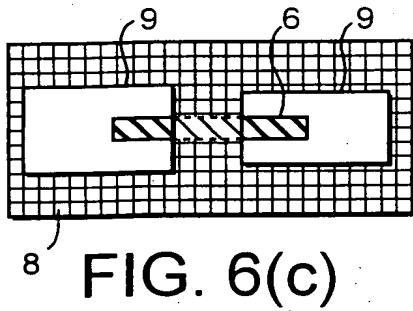
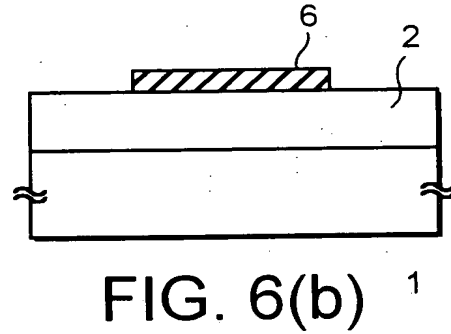
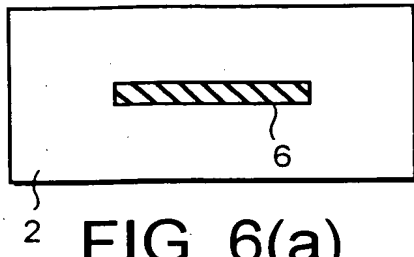
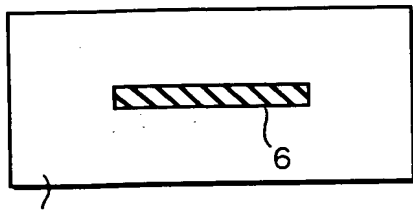


FIG. 4

FIELD STRENGTH		SPIN ORIENTATION		RESISTANCE	ROW
		LAYER 3	LAYER 4		
A	HIGH POSITIVE	↑	↑	LOW	1
B	LOW	↑	↓	HIGH	2
C	HIGH NEGATIVE	↓	↓	LOW	3

FIG. 5





2 FIG. 7(a)

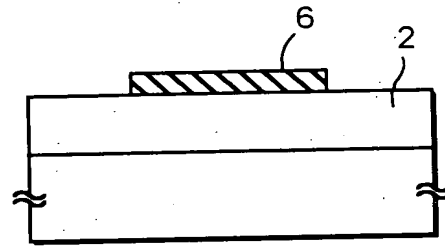
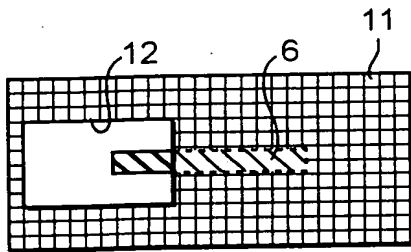


FIG. 7(b) 1



2 FIG. 7(c)

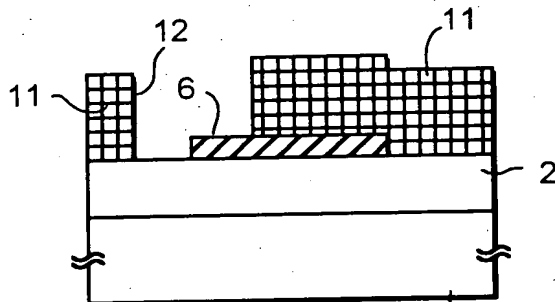


FIG. 7(d) 1

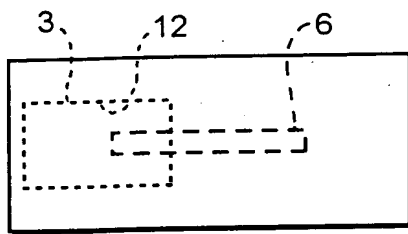


FIG. 7(e)

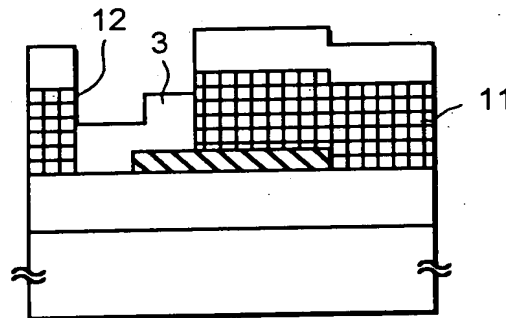
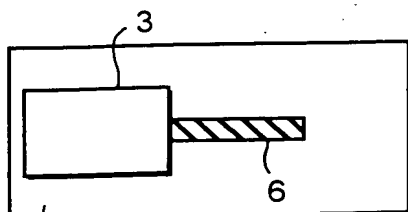


FIG. 7(f)



2 FIG. 7(g)

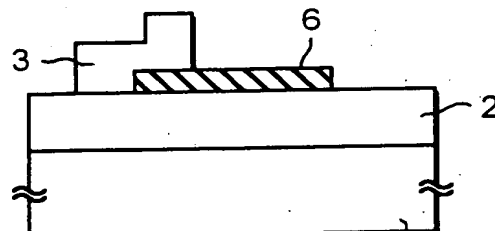
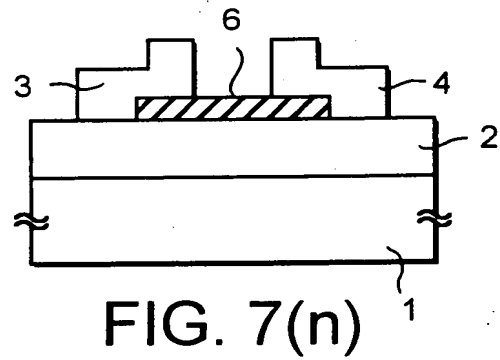
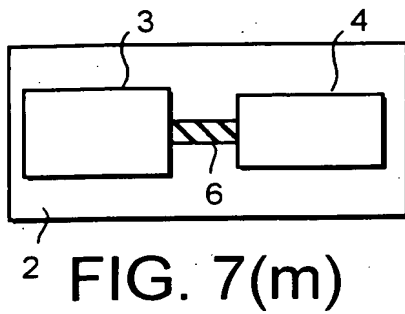
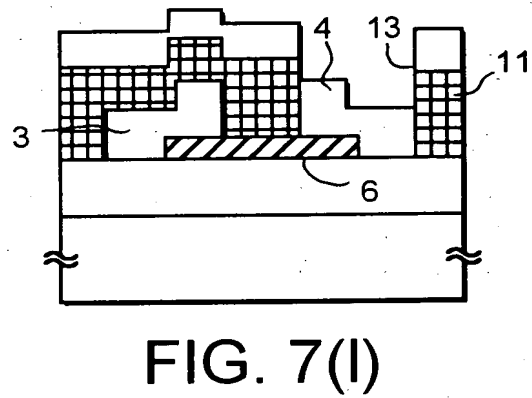
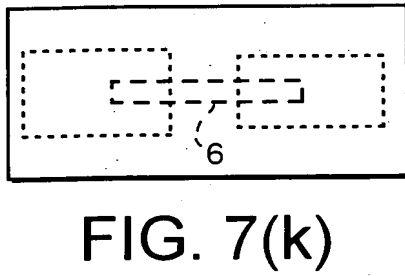
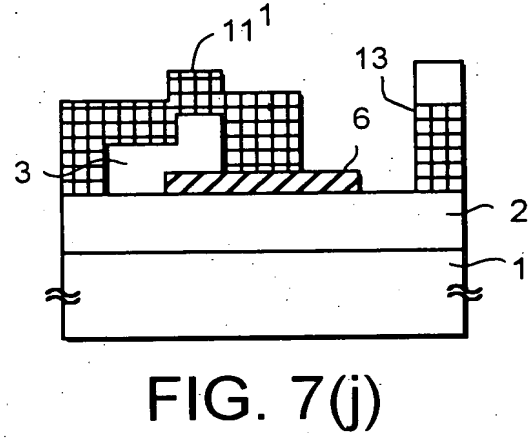
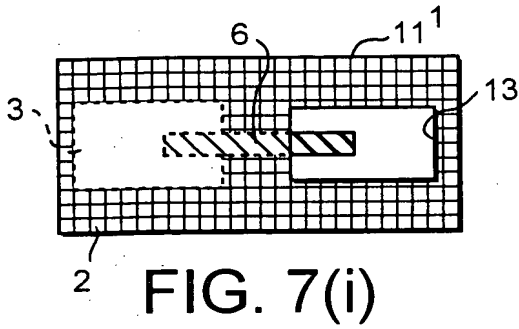


FIG. 7(h) 1



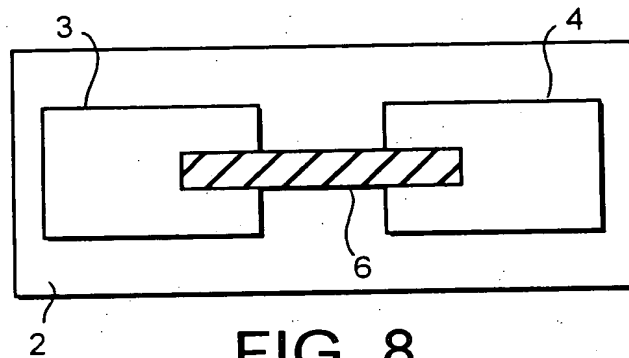


FIG. 8

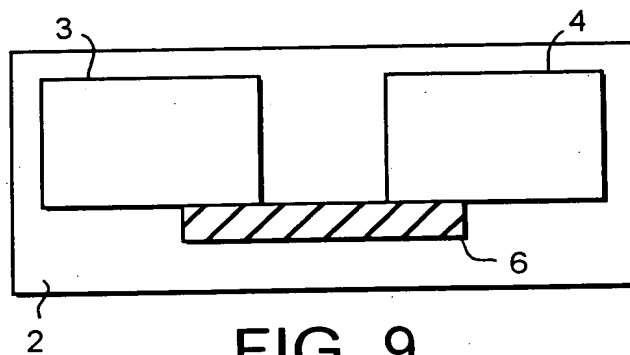


FIG. 9

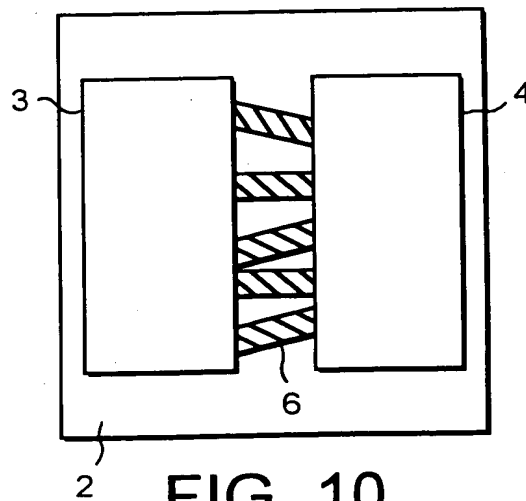


FIG. 10

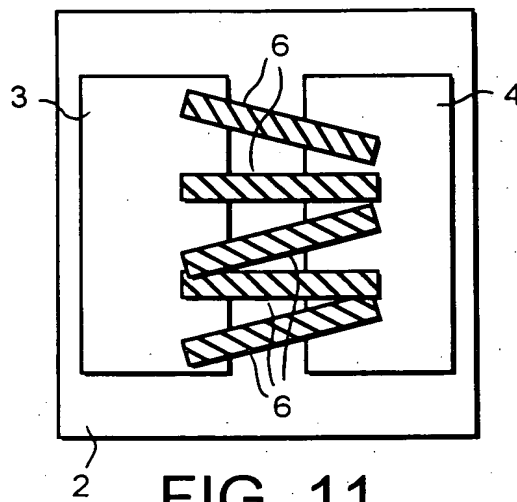


FIG. 11

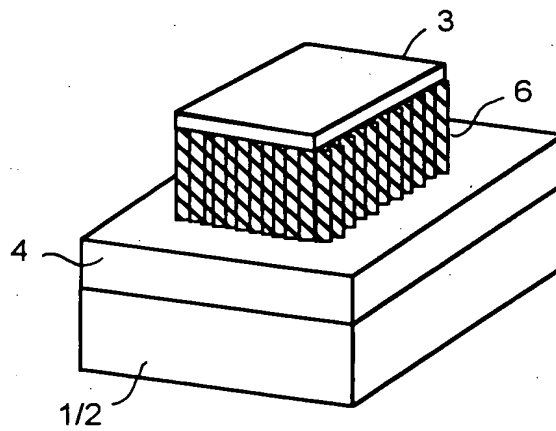


FIG. 12

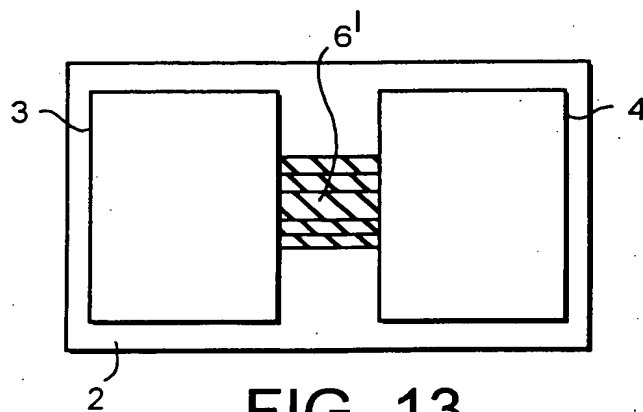


FIG. 13

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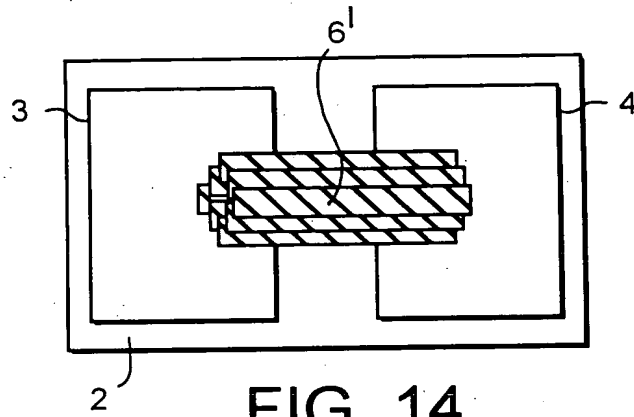


FIG. 14

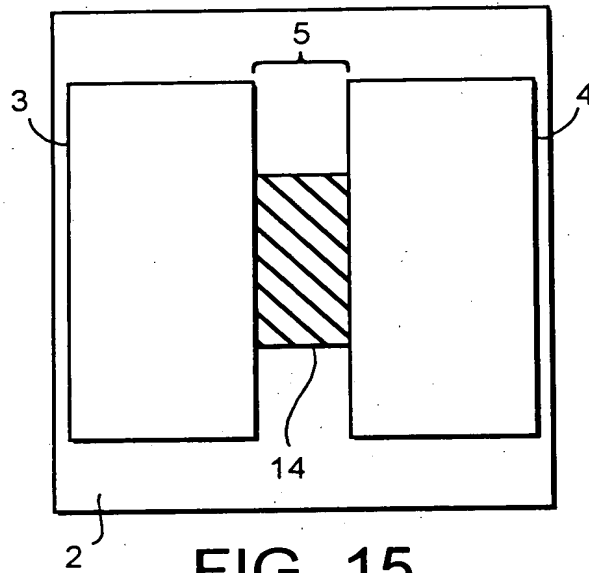


FIG. 15

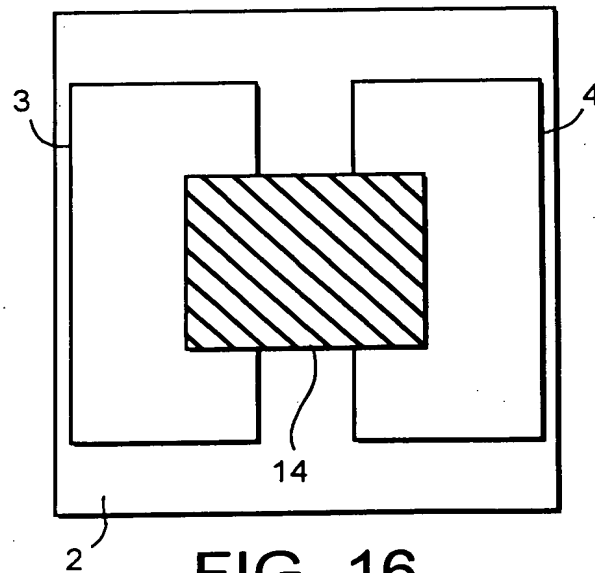
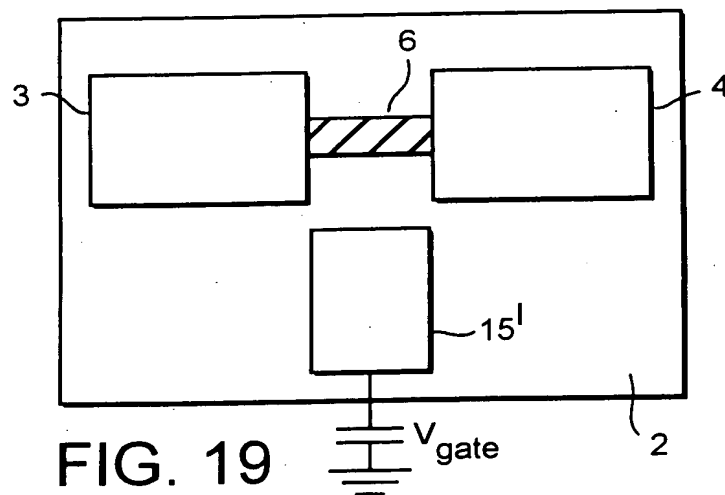
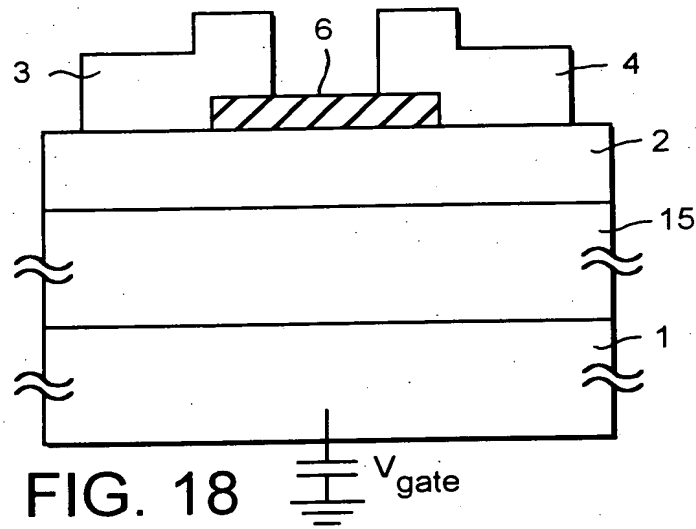
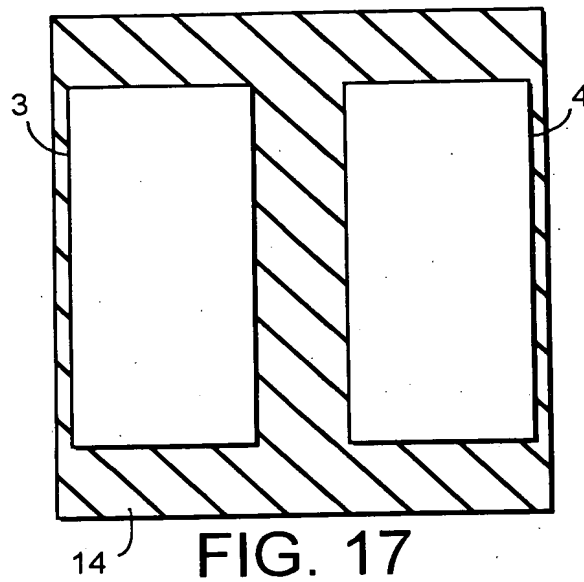


FIG. 16



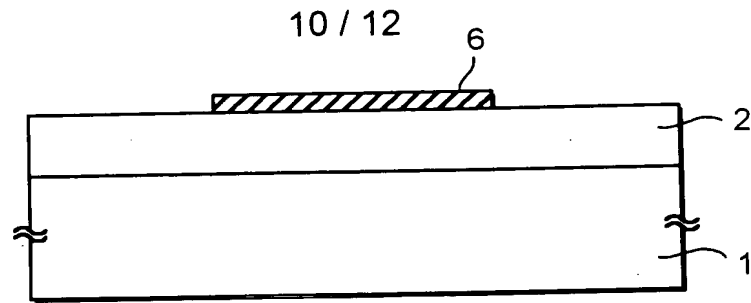


FIG. 20(a)

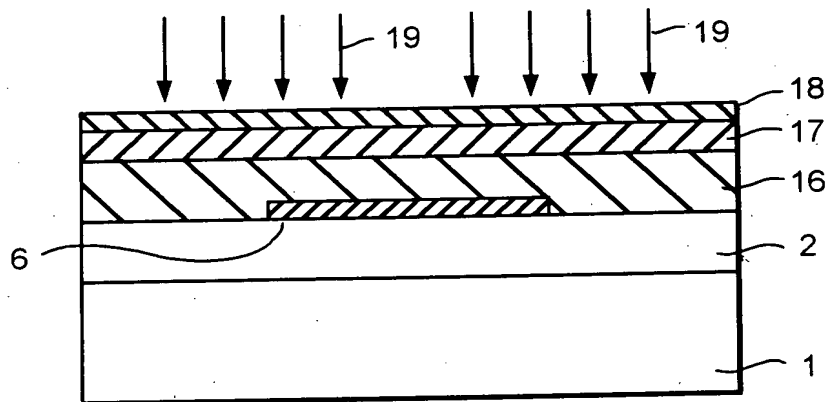


FIG. 20(b)

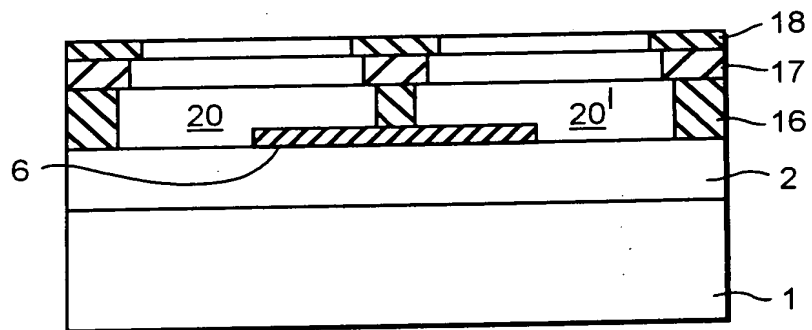


FIG. 20(c)

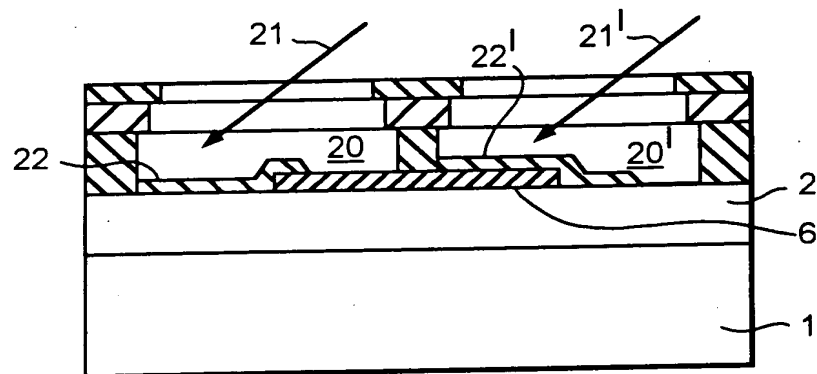


FIG. 20(d)

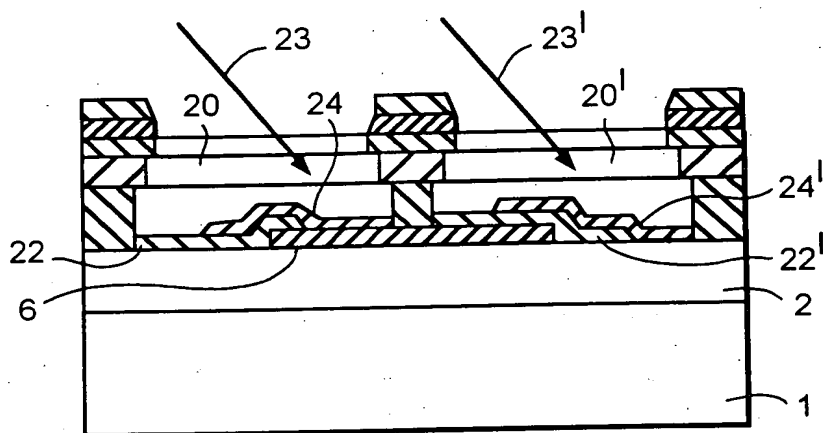


FIG. 20(e)

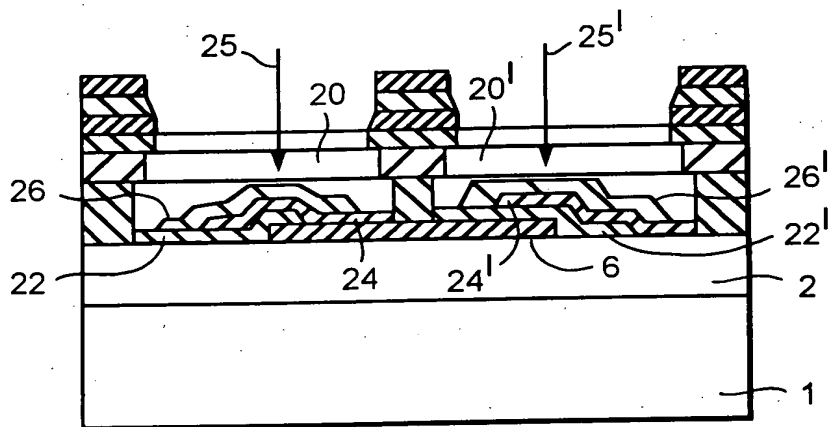


FIG. 20(f)

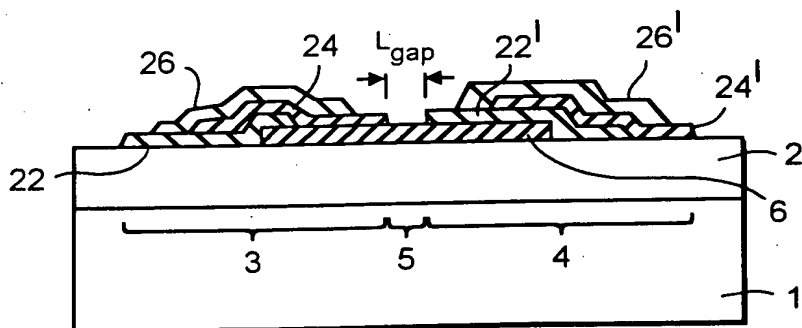


FIG. 20(g)

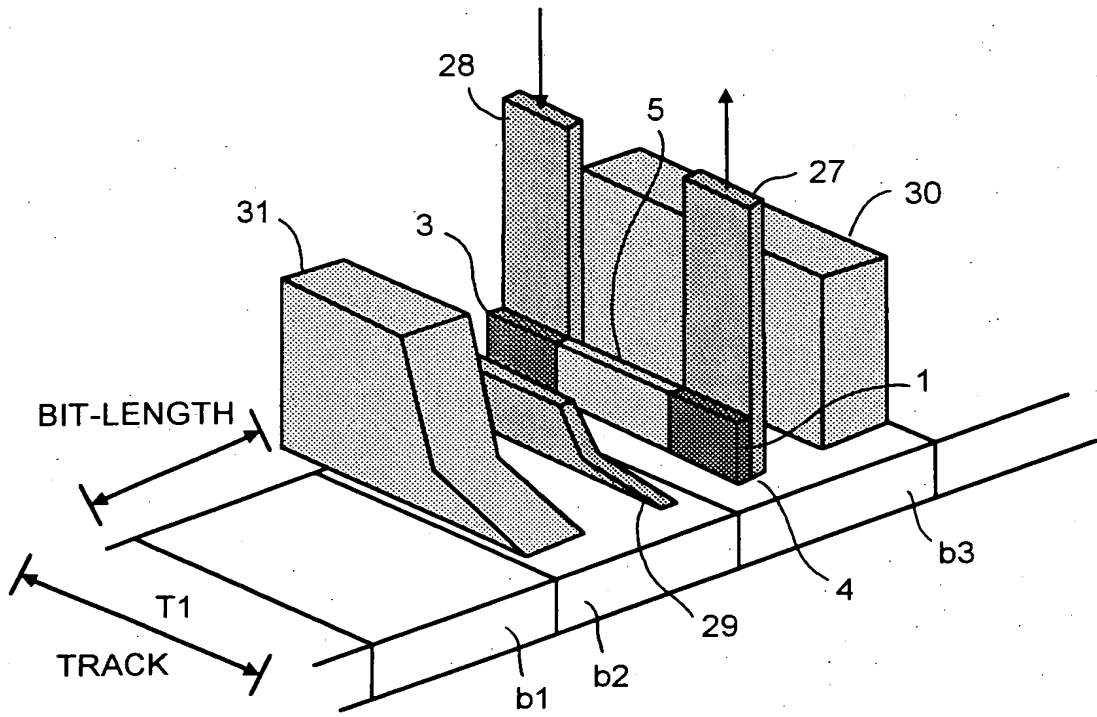


FIG. 21

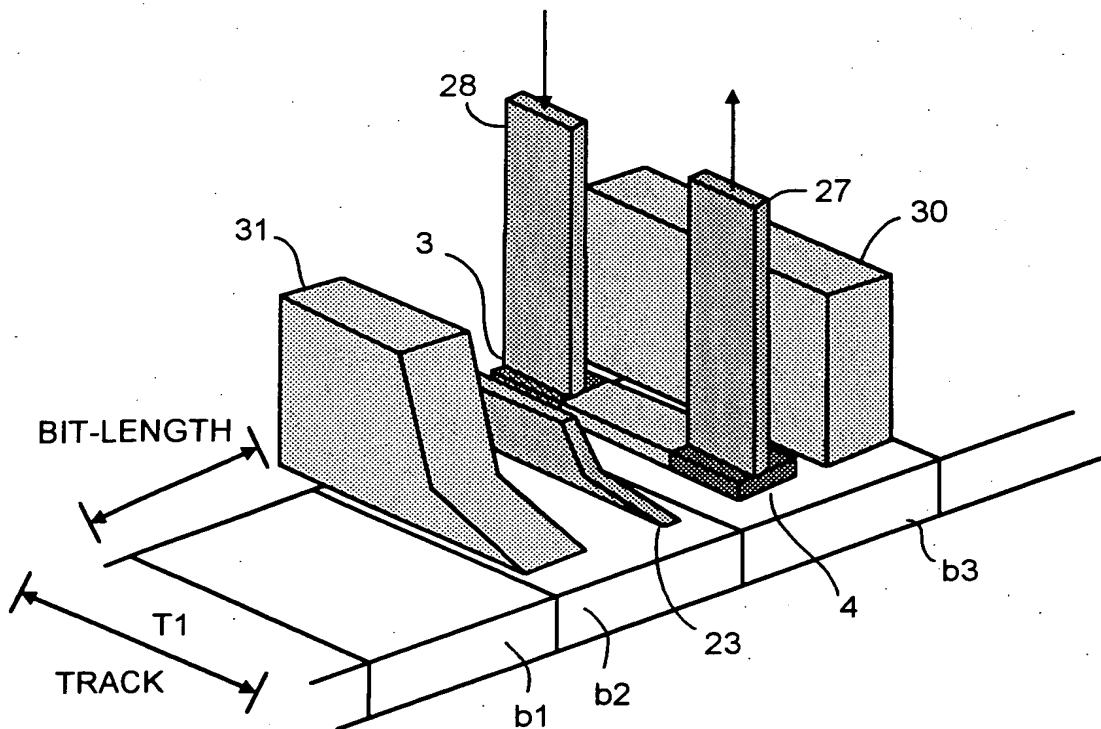


FIG. 22